# PATENT COOPERATION TREATY

# **PCT**

# INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	con Form PCT/ICA/200
PC545PR	ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/ye	ar) (Earliest) Priority Date (day/month/year)
PCT/EP2005/001818	22/02/2005	01/03/2004
Applicant		
MEDESTEA INTERNAZIONALE S.	R.L.	
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searchin Insmitted to the International Bureau.	ng Authority and is transmitted to the applicant
This International Search Report consists	of a total of6sheets.	
X It is also accompanied by	a copy of each prior art document cited	in this report.
Basis of the report     a. With regard to the language, the is language in which it was filed, unle	nternational search was carried out on t ess otherwise indicated under this item.	he basis of the international application in the
The international s this Authority (Rule	earch was carried out on the basis of a 23.1(b)).	translation of the international application furnished to
b. With regard to any nucleo	tide and/or amino acid sequence disc	closed in the international application, see Box No. I.
2. X Certain claims were foun	d unsearchable (See Box II).	
3. Unity of invention is lack	ing (see Box III).	• .
4. With regard to the title,		
the text is approved as sub	mitted by the applicant.	
X the text has been establish	ed by this Authority to read as follows:	•
USE OF N-PIPERIDINE DEF PATHOLOGIES	RIVATIVES FOR THE TREATM	MENT OF NEURODEGENERATIVE
	-	
E Mello constant		
5. With regard to the abstract,	- the divinity of the state of	$\checkmark$
the text is approved as sub- the text has been established may, within one month from	ed, according to Rule 38.2(b), by this Au	uthority as it appears in Box No. IV. The applicant search report, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be pul	blished with the abstract is Figure No	·
as suggested by the		
as selected by this	Authority, because the applicant failed t	o suggest a figure.
	Authority, because this figure better cha	tracterizes the invention.
b. X none of the figures is to be	published with the abstract.	

International Application No PCT/EP2005/001818

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K31/4545 A61P25/28

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols) A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED	TO BE RELEVANT
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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	US 5 981 548 A (PAOLINI ET AL) 9 November 1999 (1999-11-09) cited in the application claims 1-5	9,10
Υ	column 2, line 40 - line 49	1-8
Y	EP 1 132 085 A (DAIICHI RADIOISOTOPE LABORATORIES, LTD; YAMAGATA PUBLIC CORPORATION FO) 12 September 2001 (2001-09-12) page 2, paragraph 1 page 2, paragraph 4	1-8
	<b>-/</b>	

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents:     A' document defining the general state of the art which is not considered to be of particular relevance	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
<ul> <li>*E' earlier document but published on or after the international filing date</li> <li>*L' document which may throw doubts on priority claim(s) or</li> </ul>	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
which is cited to establish the publication date of another citation or other special reason (as specified)  *O* document referring to an oral disclosure, use, exhibition or other means  *P* document published prior to the international filing date but	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu- ments, such combination being obvious to a person skilled in the art.
later than the priority date claimed  Date of the actual completion of the international search	*&* document member of the same patent family  Date of mailing of the international search report

Authorized officer

6 July 2005

01/08/2005

Name and mailing address of the ISA

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Form PCT/ISA/210 (second sheet) (January 2004)

International Application No
PCT/EP2005/001818

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y .	GUAN ZHI-ZHONG ET AL: "Loss of nicotinic receptors induced by beta-amyloid peptides in PC12 cells: Possible mechanism involving lipid peroxidation." JOURNAL OF NEUROSCIENCE RESEARCH, vol. 71, no. 3, 1 February 2003 (2003-02-01), pages 397-406, XP009050302 ISSN: 0360-4012 abstract	1-8
	SÓTONYI PÉTER ET AL: "Comparative study on cardiotoxic effect of Tinuvin 770: a light stabilizer of medical plastics in rat model." TOXICOLOGICAL SCIENCES: AN OFFICIAL JOURNAL OF THE SOCIETY OF TOXICOLOGY. FEB 2004,	1,5-8
	vol. 77, no. 2, February 2004 (2004-02), pages 368-374, XP002334830 ISSN: 1096-6080 page 368, column 2, line 17 - line 23	
	DATABASE PUBMED 'Online! Department of Health and Human Services; August 2002 (2002-08), LEVIN ED, REZVANI AH: "Nicotinic Treatment for Cognitive Disorders" XP002334833 Database accession no. 12769614 abstract & CURRENT DRUG TARGETS - CNS AND NEUROLOGICAL DISORDERS, vol. 1, no. 4, August 2002 (2002-08), pages 423-431, ISSN: 1568-007X	1,5-8
	HERNANDEZ C M ET AL: "Regional and sub-type specific upregulation of cholinergic receptors with nicotine, mecamylamine and cotinine" SOCIETY FOR NEUROSCIENCE ABSTRACTS, vol. 27, no. 2, 2001, page 2133, XP001206875 & 31ST ANNUAL MEETING OF THE SOCIETY FOR NEUROSCIENCE; SAN DIEGO, CALIFORNIA, USA; NOVEMBER 10-15, 2001 ISSN: 0190-5295 abstract	1,5-8
	-/	
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International Application No
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.(Continu:	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	 
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FRANCIS MICHAEL M ET AL: "Sensitivity to voltage-independent inhibition determined by pore-lining region of the acetylcholine receptor" BIOPHYSICAL JOURNAL, vol. 74, no. 5, May 1998 (1998-05), pages 2306-2317, XP002334831 ISSN: 0006-3495 abstract page 2307, column 2, paragraph 3 - paragraph 5 page 2312, column 2, last paragraph - page 2313, column 2, paragraph 2 page 2316, column 1, paragraph 2	1,5-8
	WO 2005/032479 A (UNVIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC; PAPKE, ROGER, L; HORE) 14 April 2005 (2005-04-14) claims 1,15	1,5-10
Ē	US 2005/065182 A1 (PAPAZOGLOU ELISABETH S) 24 March 2005 (2005-03-24) page 4, paragraph 55 - paragraph 56 claim 1	9,10
	GRAHAM JOHN H ET AL: "Functional central nicotinic acetylcholine receptor antagonism by systemic administration of Tinuvin 770 (BTMPS)." CURRENT ALZHEIMER RESEARCH. APR 2005, vol. 2, no. 2, April 2005 (2005-04), pages 141-147, XP001206874 ISSN: 1567-2050 the whole document	1,5-8

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International application No. PCT/EP2005/001818

## INTERNATIONAL SEARCH REPORT

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	emational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. χ	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claim 6, as well as claims 7 and 8 s far as they refer to it, are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
. $\Box$	Claims Nos.:
3. <u> </u>	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	rnational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
<b>₄</b> □	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is
<b>*</b> . □	restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark	on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

Information on patent family members

International Application No
PCT/EP2005/001818

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5981548	A	09-11-1999	WO	9615110	A1	23-05-1996
•			AT	194596	T	15-07-2000
			DE	69425287	D1	17-08-2000
			DE	69425287	T2	15-03-2001
			EP	0792266	A1	03-09-1997
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			EP	1132085	A1	12-09-2001
			JP	3598332	B2	08-12-2004
			US	6713492	B1	30-03-2004
			WO	0030638	A1	02-06-2000
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